| Course Title | **DATABASE MANAGEMENT** |
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| Course Code | **CSC 222** |
| Course Purpose and Objectives | In this course, students will learn how to model a database system and develop it using SQL commands (e.g., create, modify and delete tables & relationships). Moreover, they will learn to use relational algebra to perform searching operations into a database system. Students must be able to transform relational algebra statements into SQL queries (e.g., Select statements). Additionally, they will learn basic commands for data manipulation (e.g., Insert, Update and Delete). |
| Learning Outcomes | 1. Design E-R diagrams and transform it into a database system.<br>2. Modeling a database system.<br>3. Use relational algebra.<br>4. Implement SQL statements for Data Manipulation purposes. |
| Course Content | • Database fundamentals<br>• Database design<br>• Structured query language – SQL<br>• Database management |